

MECHANICAL MANUAL



LTF11: WEIGHING SYSTEMS ON FORKS



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WEIGHING FORKS

1. INTRODUCTION

The system is made up of 2 steel weighing forks, with plate in FEM2A or FEM2B class (up to 2500 kg) or FEM3A (up to 5000 kg), assembled with 4 load cells as constraints to vertical stresses, in order to be able to transform these stresses into analogue signals which will be transformed into weight values by the connected indicator.

WEIGHING FIELD: 0.....2500 kg Max (LTF1125 model), 0.....5000 kg Max (LTF1150 model).

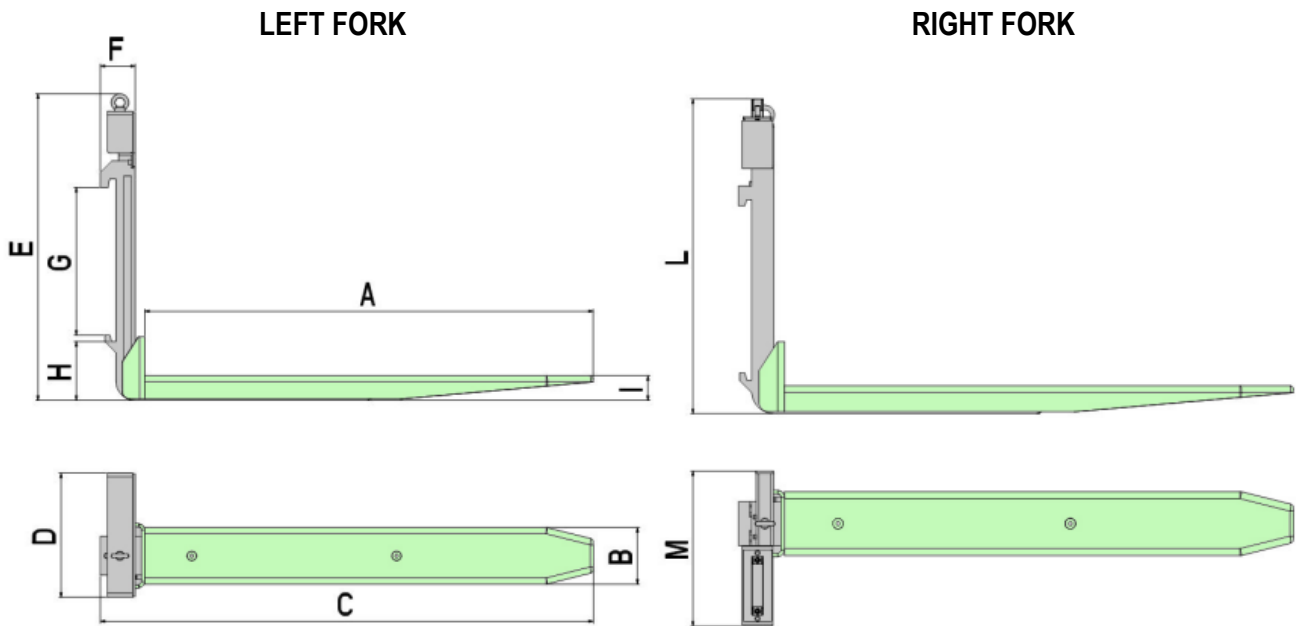
IMPORTANT WARNING

The maximum lifting capacity of the lift truck must not be greater than 2500 kg (LTF1125 model) or 5000 kg (LTF1150 model), and must not in any case be greater than the RESIDUAL CAPACITY of the lifting truck in the various lifting conditions.

2. COMPOSITION OF THE SYSTEM

- **LTF1125** or **LTF1150** weighing plate with 4 shear-beam IP68 load cells.
- Weight indicator powered by rechargeable battery.

3. DIMENSIONS (mm)



	A	B	C	D	E	F	G	H	I	L	M
LTF1125A	1160	146	1277	322	793	90	382	76	65	719	355
LTF1125B	1160	146	1277	322	873	90	382	152	65	800	355
LTF1150A	1160	190	1277	322	1000	90	477	76	80	930	355

4. LTF INSTALLATION

- 1) Take off the forks from the lift truck plate.
- 2) Hook the LTF forks on to the FEM plate of the truck.

WARNING !!

With the inclination in a perfect vertical position, **the forks MUST NOT TOUCH THE GROUND**. Otherwise a careful adjustment must be made by the manufacturer or service man of the lift truck. *A possible violent fall to the ground of the forks can cause unrepairable damages to the load cells which have been designed to sustain knocks and overloads from the top towards the bottom.*

4.1 UPKEEP OF THE SYSTEM

The LTF system of opposing plates has been designed and built for working in harsh conditions without compromising the accuracy and safety of the instrument.

It is in any case recommendable to respect some norms of use and maintenance in order to maintain in the long time the efficiency of the instrument.

- Do not expose the system for long periods to temperatures lower than -10°C and above $+50^{\circ}\text{C}$
- Maintain the weighing plates clean from oils, greases, sand and corrosive and/or abrasive substances.
- DO NOT use the forks of the lift truck in an improper way, for example to push or move objects without lifting them.
- Detect the weight of the object maintaining the inclination of the forks perpendicular to the ground.
- Lift the load by making sure that the **centre of gravity** of the weight is maximum 500mm from the back of the forks

5. SCALE FUNCTIONING

See the DFW indicator manual.

DECLARATION OF THE MANUFACTURER

SUBJECT: LTF electronic weighing system for lift truck with MAX. NOMINAL CAPACITY of 2500 kg (LTF25 model) or of 5000 kg (LTF1150 model) or di 5000 kg (mod. LTF1150) referred to a distance of 500 mm from the back of the forks

DINI ARGEO srl declares that this instrument is made up of:

- n°2 steel weighing forks in FEM2A or FEM2B plate (LTF1125 model) or FEM3A (LTF1150 model).
- n°4 load cells as measuring organs.

is designed with a safety degree of 3 and therefore it is suitable to withstand the actions transmitted by the use in the worst loading conditions

Furthermore:

the **maximum lifting capacity** of the lift truck equipped with the weighing system should not in any case surpass the value of the instrument's nominal capacity.

WARRANTY

The TWO YEARS warranty period begins on the day the instrument is delivered. It includes spare parts and labour repair at no charge if the INSTRUMENT IS RETURNED prepaid to the DEALER'S PLACE OF BUSINESS. Warranty covers all defects NOT attributable to the Customer (such as improper use) and NOT caused during transport.

If on site service is requested (or necessary), for any reason, where the instrument is used, the Customer will pay for all of the service technician's costs: travel time and expenses plus room and board (if any).

the Customer pays for the transport costs (both ways), if the instrument is shipped to DEALER or manufacturer for repair.

The WARRANTY is VOIDED if any of the following occurs: repairs or attempted repairs are made by unauthorised personnel, connected to equipment installed by others, or is incorrectly connected to the power supply, or instrument has defects or damage due to carelessness or failure to follow the guidelines in this instruction manual.

This warranty DOES NOT provide for any compensation for losses or damages incurred by the Customer due to complete or partial failure of instruments, even during the warranty period.

AUTHORIZED SERVICE CENTRE STAMP

